

Tropical Depression 07W

Tropical Depression (TD) 07W developed northeast of Guam in mid July. This weak tropical cyclone initially tracked southwestward before turning northwestward toward Japan. The cyclone reached a peak intensity of 30 kt before turning northward and dissipating over water southeast of Honshu.

JTWC first mentioned TD 07W as a suspect area on a 131600Z July Significant Tropical Weather Advisory (ABPW). At 142030Z July, a Tropical Cyclone Formation Alert was issued as the disturbance had gained some strength and organization. The first JTWC warning on TD 07W was issued at 150300Z July for a 25 kt system.

TD 07W formed within a moderate vertical wind shear environment with the subtropical ridge to the east, which would become the primary steering influence. TD 07W intensified to 30 kt 12 hours after the first warning and maintained that intensity for two days. Increased vertical windshear completely exposed the low-level circulation center by 152330Z July, and subsequently TD 07W began to weaken. JTWC issued the 14th and final warning at 180900Z July as the system dissipated southeast of Honshu.

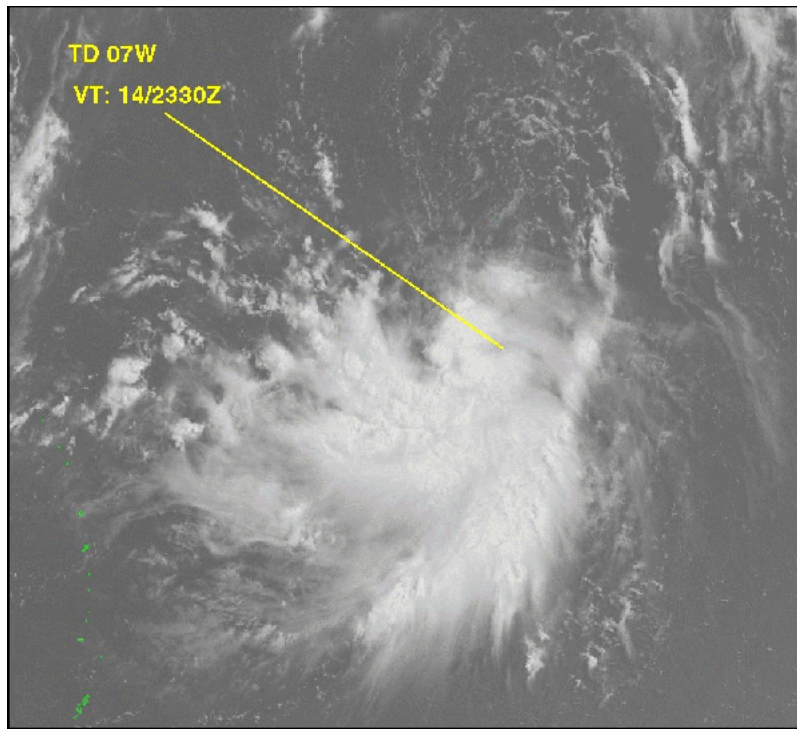


Figure 1-07-1. 142330Z July visible satellite image of TD 07W as it reached warning criteria of 25 kt.

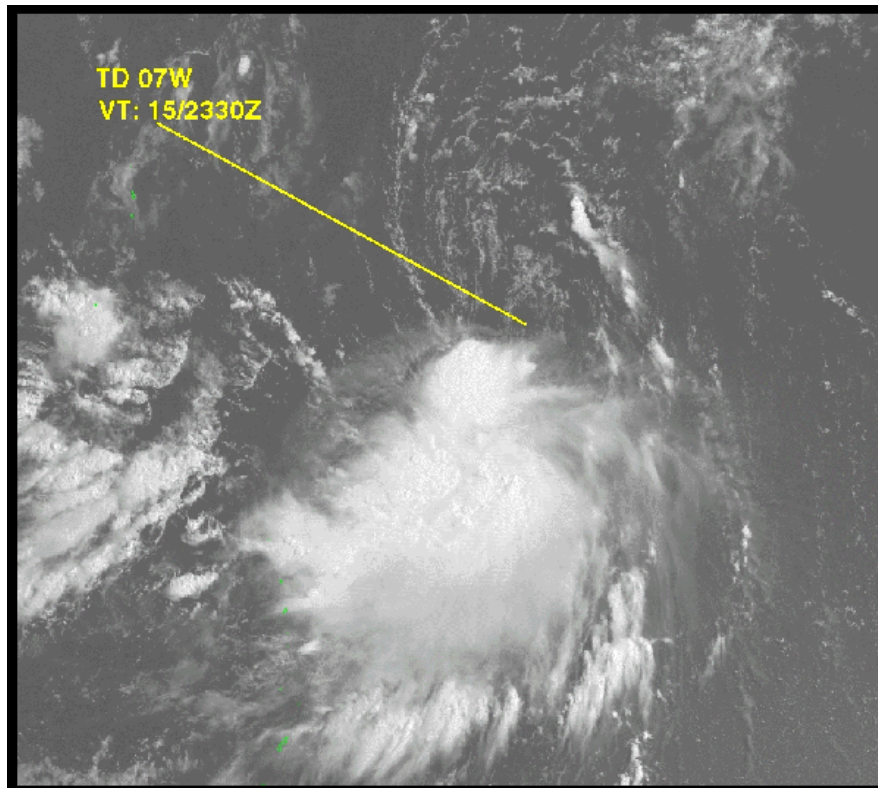


Figure 1-07-2. 152330Z July visible satellite image of TD 07W after vertical wind shear fully exposed the low-level circulation center. Current intensity was 25 kt.

